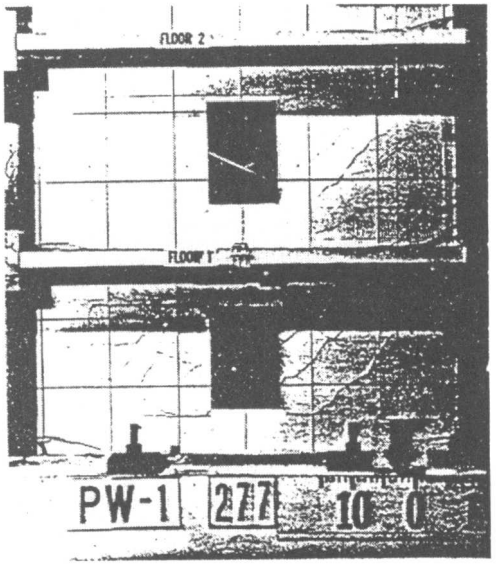
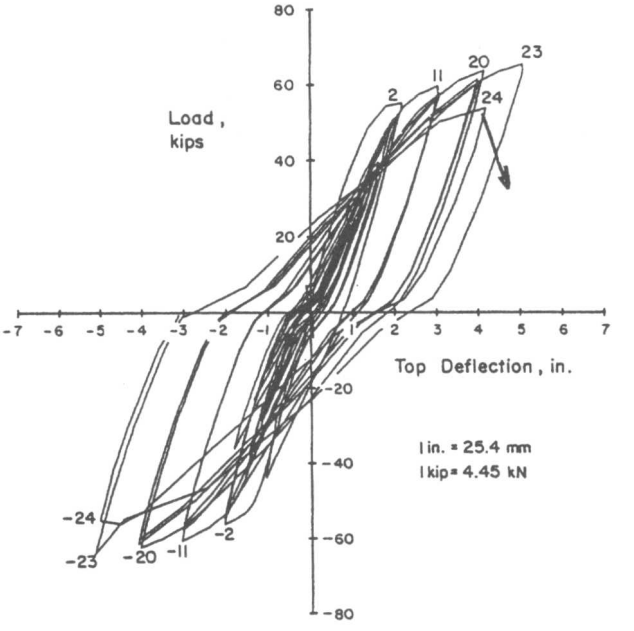
DAMAGE PATTERNS AND HYSTERETIC RESPONSE

System:	**Reinforced Concrete**
Component Type:	**Isolated Wall or Stronger Wall Pier**
Predominant Behavior Mode:	**Flexure/Diagonal Tension**
Secondary Behavior Mode:	**Flexure/Web Crushing**
Reference:	Shiu et al. (1981)
Specimen:	PW-1

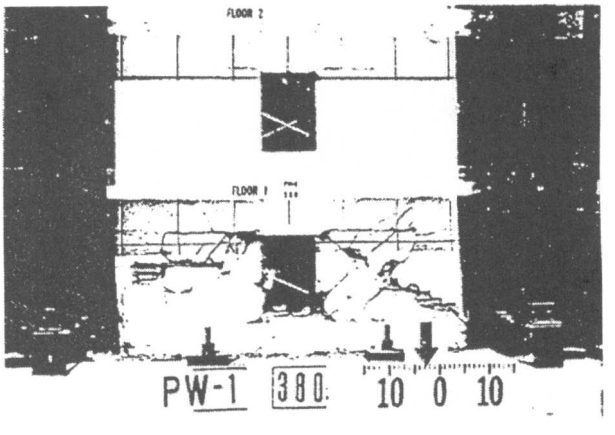
RC1B **Example 2 of 2**



Crack pattern of specimen PW-1 at end of Phase II.



Load versus top deflection relationship for specimen PW-1.



Specimen PW-1 at end of test.

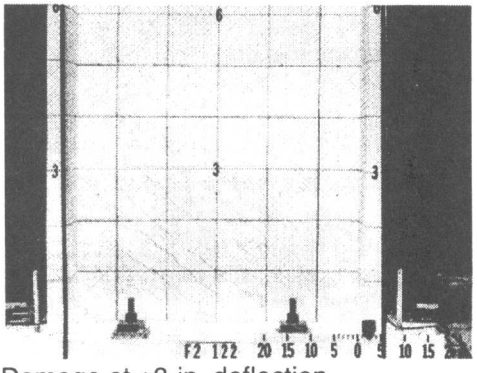
DAMAGE PATTERNS AND HYSTERETIC RESPONSE

System:	**Reinforced Concrete**
Component Type:	**Isolated Wall or Stronger Wall Pier**
Predominant Behavior Mode:	**Flexure/Web Crushing**
Secondary Behavior Mode:	—

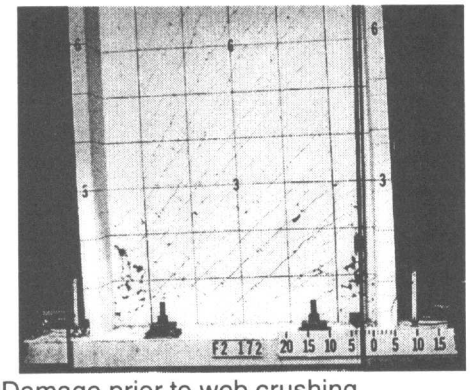
RC1C **Example 1 of 3**

Reference: Corley, Fioralo, Oesterle (1981), Oesterle et al. (1976), Oesterle et al. (1979)

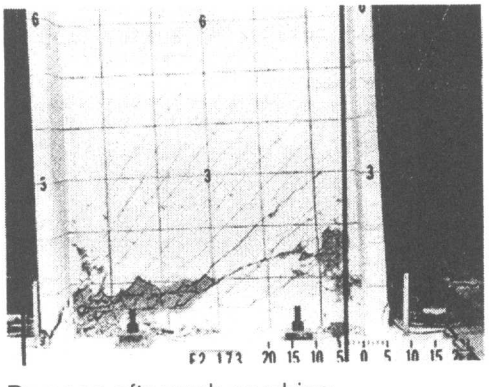
Specimen: F2



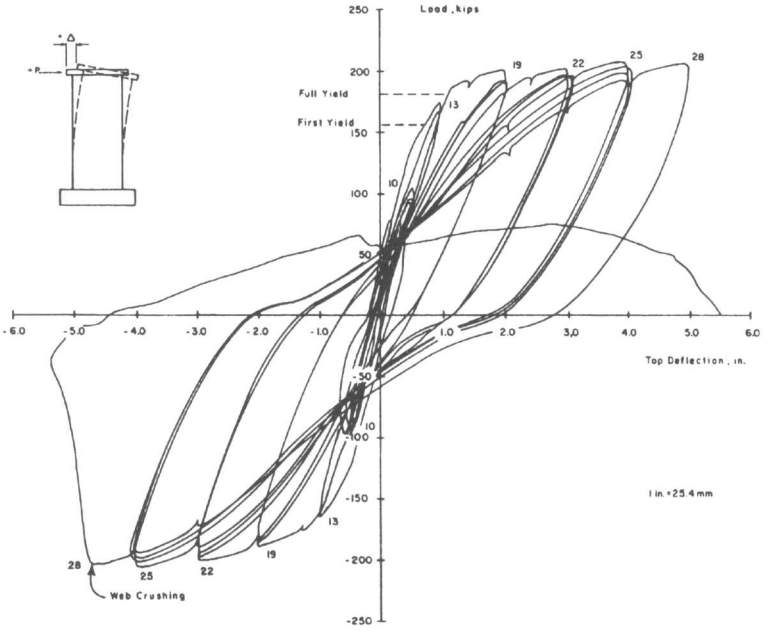
Damage at +3-in. deflection
$\Delta = 3$ in $\quad \Delta/h_w = 0.017 \quad \lambda_Q = 1.0$



Damage prior to web crushing
$\Delta = 4$ in $\quad \Delta/h_w = 0.022 \quad \lambda_Q = 1.0$



Damage after web crushing
$\Delta = 5$ in $\quad \Delta/h_w = 0.028 \quad \lambda_Q = 0.3$



Load versus deflection relationship